Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Jan 31, 2014
Ed Kearns, Acting Chief

#	CDR	PI / TM	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7- Nov
2	Bended Sea Winds	Zhang Zhang	x	29-Aug	NOT MATURE		19-Aug						4-Sep																	FY14
3	MSU TCDR	Zou Semunegus	x	IP 23-Dec						ATRAC																				FY14
4,5	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct 10-Jan										NCDC creating							FY14
6,7,8	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec	Jan	Jan	19-Feb	25-Nov	ATRAC	16-Dec				13-Dec															May 2014
9	ISCCP	Rossow Knapp	x	17-Jan																										FY14
10	OLR Daily	HT Lee Shreck	x	x	May	6-Jan	Apr	11-Jan	Feb			10-Jan		14-Jan				15-Jan		15-Jan										Mar 2014
11,12,13	Vegetation (Sfc Ref, NDVI) (LAI/fPAR)	Vermote Matthews	x	17-Jan	22-May 24-Jun	2-Jul	26-Jul	7-May	22-May 24-Jun	6-Nov	29-May	9-Jul	22-Aug	6-Nov	31-May -Nov	8-Nov		1-Nov	19-Nov							12-Nov	6-Nov			Apr 2014
14	MSU/AMSU Temp Suite	Ho Shi	x	PI requested 1 yr ext																										FY14
15,16	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x																		60 TB						60 TB			Mar 2014
17,18	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	IP 20-Dec					20-Dec																					Jun 2014
19	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon		PI moving to UK	30-Sep		30-Sep																							FY14
20	Stratospheric (Ozone)	Rosenlof Young	x	x					30-Oct	ATRAC																				FY14
21	Solar Irradiance (Oservational)	Pilewski Inamdar	x	Funding started Dec	22-Jan																									FY14
22	NRT Sea Ice Concentration	Fetterer Peng	x	Funding started Dec																										FY15
23	CMORPH	Xie Prat	x																											FY14
24	Could Properties	Heidinger Knapp	x	x	x	x	Jan	11-Jan	x	16-Jan	x	x		14-Jan	x		Jan	x		16-Jan	Feb									Feb 2014
25	Solar Irradiance (Composite)	Lean Inamdar	x	Funding started Dec	22-Jan																									FY14

Column group headers: Assessment | Deliver Drafts | Review and Provide Feedback | Deliver Final Versions | Misc | Archive | Release

2/3/2014

🟢 = On-track   🟡 = Potential management action required   🔴 = Management attention required

#	CDR	PI TM	Status	Conduct ORR
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	1) Complete	**7-Nov**
2	Bended Sea Winds	Zhang Zhang	2) On Hold – PI on higher priority task	FY14
3	MSU TCDR	Zou Semunegus	3) PI plans to deliver draft docs in March and draft data in April; no sftp for one time delivery of data	FY14
4,5	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	4,5) PI will send 10 yrs of data, ATRAC complete, IT requesting sftp again; Sent feedback on TPW C-ATBD and README	FY14
6,7,8	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	6-8) Had IPT meeting, received source code and netCDF samples, PI working on ATRACS and C-ATBDs; next telecon 1/13	May 2014
9	ISCCP	Rossow Knapp	9)	FY14
10	OLR Daily	HT Lee Shreck	10) Received final Flow Diagram and MM; **PI will serve the data until ORR is complete - due to ESRL no longer updating daily OLR**	Mar 2014
11,12 13	Vegetation (Sfc Ref, NDVI) (LAI/fPAR)	Vermote Matthews	11-13) PI working on QA of dataset, ORR slipped to Apr/Sep; **QA completed trough 2006**	Apr 2014
14	MSU/AMSU Temp Suite	Ho Shi	14) On hold?	FY14
15,16	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	15,16) 60TB dataset	Mar 2014
17,18	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	17,18) Received Imp Plan; PI working on C-ATBD over break; Sample netCDF file posted on ftp for pull and review	Jun 2014
19	AVHRR FCDR (Ch 3b-4-5)	Mittaz Banzon	19) PI lost C-ATBD, will resume work on rebuilding it after he is relocated to UK	FY14
20	Stratospheric (Ozone)	Rosenlof Young	20) PI sent netCDF sample file	FY14
21	Solar Irradiance (Oservational)	Pilewski Inamdar	21) PI working on Imp Plan; Received sample code	FY14
22	NRT Sea Ice Concentration	Fetterer Peng	22) CIRES money in place; PI says there are NO deliverables with a grant, will need to monitor closely	FY15
23	CMORPH	Xie Prat	23) Reprioritized to start work in FY14	FY14
24	Could Properties	Heidinger Knapp	24) **Will be ready to archive in Feb - Still needs DSRR**	Feb 2014
25	Solar Irradiance (Composite)	Lean Inamdar	25) PI working on Imp Plan; Received sample code	FY14

SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc	Up-to-date with Data deliveries	QA Results	IP Lic.	CDRP action required?
UAH MSU			not public			
Pathfinder SST			data thru 2012/not monthly			**CH** - continue monitoring CR/ review Implementation Plan
PATMOS-x			Currently undergoing CR			**CH** - continue monitoring CR ****DSRR Feb 5th****
AMSU-A ch7						
AMSU-A ch9						
GridSat B1	N/A	N/A	Currently undergoing CR	N/A	N/A	**CH** - continue monitoring CR
CSU SSMI(S)						
Monthly OLR			was not funded FY12 for O&M	not in WA		**CH** - monitor progress with SA update to extend the POR and make operational **CH** - discuss the versioning question with Program Scientist and Configuration Manager
RSS MSU				not in WA		
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	Currently undergoing CR	N/A	N/A	**CCB will be re-scheduled**
PERSIANN						Incident team working towards resolution with PI
RSS SSMI(S)				not in WA		
AOT	N/A	N/A	Currently undergoing CR	N/A	N/A	**CH** - continue monitoring CR
AMSU Chs 4-14						

Weekly Report – January 31, 2014

VIIRS

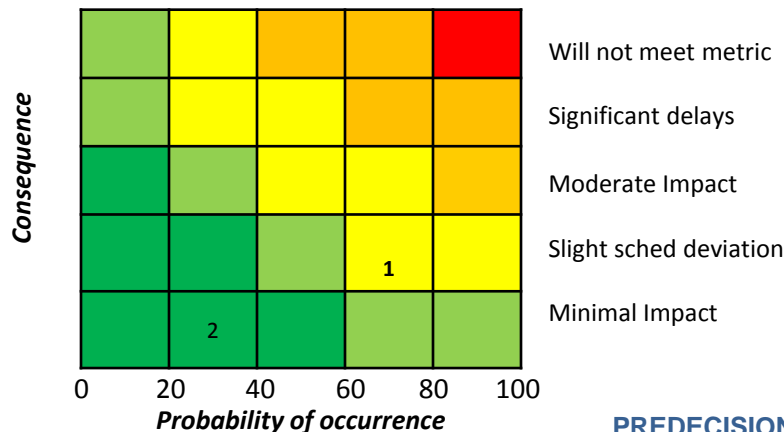(1) • Completed code for C-RDR.

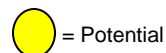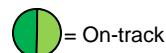**System Infrastructure**

(2) • Integrating with the VIIRS C-RDR.

- **Resolving Verified RDR compare errors.**
- **Analyzing updates in ADL 4.2.**
- **Designing database for C-RDR status.**
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Completed build of C-RDR on the TEST container.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment .
- VIIRS Product Specification is ITAR approved.
- C-RDR access via HAS (two years of tapes for HDSS).
- Will deliver initial version with ADL 3.1.

C-RDR Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones							DSRR		SAT, ORR								
Finalize Code					▣												
TEST						▬	▬	▬									
Dry Runs						▬	▬	▬									
SAT									▪								
OPERATIONS									▪								
Prepare OPS									▪								
Operations										▬	▬	▬	▬	▬	▬	▬	▬
Write SOP							▪										
Write OAD							▬	▬									
CR: Support Data										▬	▬	▬					

Risk Matrix

Consequence					
Will not meet metric					
Significant delays					
Moderate Impact					
Slight sched deviation				1	
Minimal Impact		2			

0   20   40   60   80   100

Probability of occurrence

Risk and Mitigation

VIIRS –

• Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.

System Infrastructure –

Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.

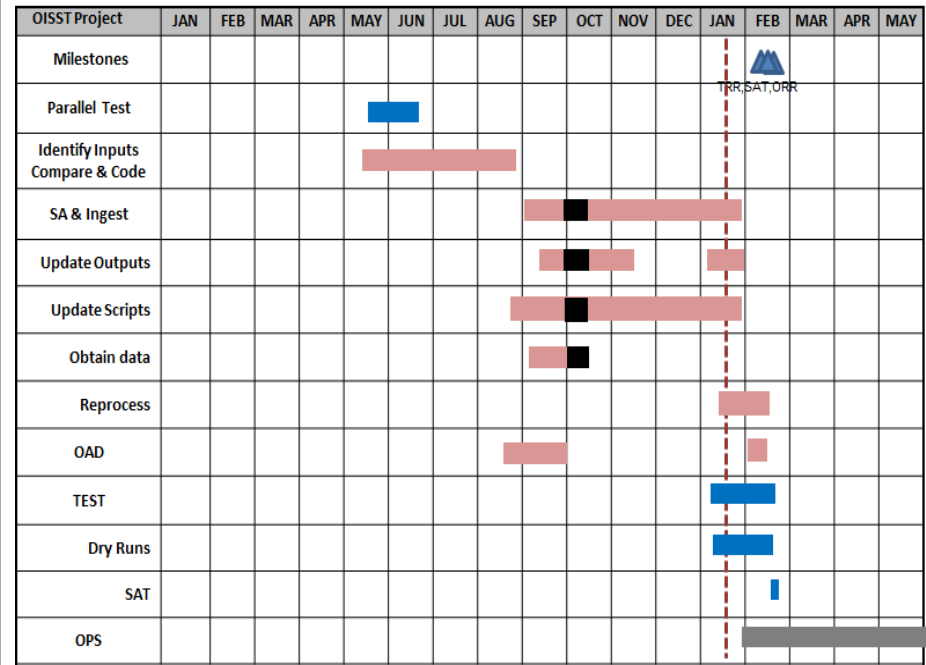**PREDECISIONAL DRAFT INFORMATION**

2/3/2014

6

◐ = On-track   ◐ = Potential management action required   ◐ = Management attention required
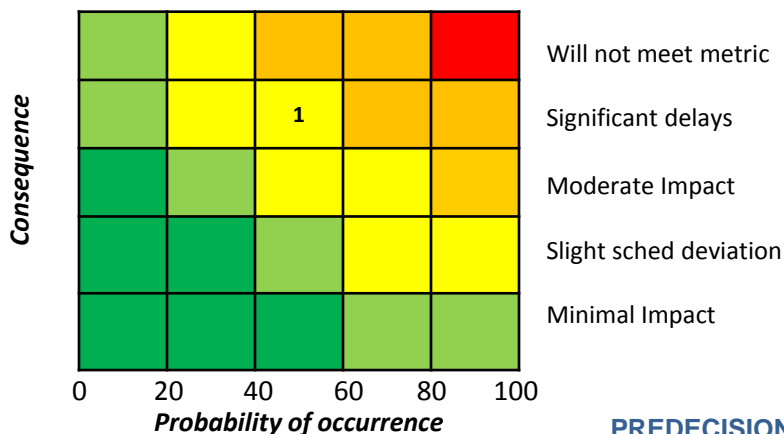
Weekly Report – January 31, 2014

1 **OISST – Optimum Interpolated Sea Surface Temperature**

- **Testing forward processing scripts.**
- **Finished processing NSIDC ice obs for 3-year OISST reprocess.**
- **Scheduling with ITB for 3 tier environment.**
- Updated schedule but end date did not change.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
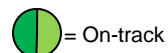- Conducted Technology Assessment Review July 25.

Operations:

OISST Project	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Milestones														▲▲			
														TRR,SAT,ORR			
Parallel Test						▬											
Identify Inputs Compare & Code					▬	▬	▬										
SA & Ingest									▬	■	▬			▬			
Update Outputs									▬	■	▬			▬			
Update Scripts									▬	■	▬						
Obtain data									▬	■							
Reprocess													▬				
OAD								▬						▬			
TEST													▬				
Dry Runs													▬				
SAT														▮			
OPS														▬▬▬▬▬▬			

Risk Matrix

(green)	(yellow)	(orange)	(orange)	(red)	Will not meet metric
(green)	(yellow)	**1**	(orange)	(orange)	Significant delays
(green)	(green)	(yellow)	(yellow)	(orange)	Moderate Impact
(green)	(green)	(green)	(yellow)	(yellow)	Slight sched deviation
(green)	(green)	(green)	(green)	(green)	Minimal Impact

Consequence (vertical axis)

0   20   40   60   80   100

Probability of occurrence

Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

2/3/2014